MONTHLY WEATHER REVIEW.

Editor: Prof. CLEVELAND ABBE.

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INTRODUCTION.

The Review for February, 1896, is based on 2,757 reports from stations occupied by regular and voluntary observers, classified as follows: 149 from Weather Bureau stations; 35 from U.S. Army post surgeons; 2,395 from voluntary observers; 32 from Canadian stations; 96 received through the Southern Pacific Railway Company: 30 from U.S. Life-Saving stations: 20 from Mexican stations. International simultaneous observations are received from a few stations and used together with trustworthy newspaper extracts and special reports.

The Weather Review is prepared under the general editorial supervision of Prof. Cleveland Abbe. Unless otherwise specifically noted, the text is written by the Editor, but the statistical tables are furnished by Mr. A. J. Henry, Chief of the Division of Records and Meteorological Data. Special acknowledgment is made of the hearty cooperation of Prof. R. F. Stupart, Director of the Meteorological Service of the Dominion of Canada, Mr. Curtis J. Lyons, Honolulu, Meteorologist to the Government Survey, and of Dr. Mariano Bárcena, Director of the Central Meteorological Observatory of Mexico.

CLIMATOLOGY OF THE MONTH.

GENERAL CHARACTERISTICS.

the Rocky Mountain and Pacific Coast regions; by low temperatures throughout the Atlantic and Gulf States, but an excess in the Plateau Region and the northern Slope; an excess of precipitation on the coasts of Washington and Oregon, the lower Lake Region, New England, the Middle States, North and South Carolina.

ATMOSPHERIC PRESSURE.

[In inches and hundredths.]

The distribution of mean atmospheric pressure reduced to sea level, as shown by mercurial barometers, not reduced to been sufficiently well defined to be projected upon Charts I standard gravity, and as determined from observations taken and II, respectively. In addition to these tracks there was an daily at Sa. m. and Sp. m. (seventy-fifth meridian time), is area of high pressure in the middle Plateau Region that conshown by isobars on Chart IV. That portion of the reduction tinued from the 17th to the end of the month. The followto standard gravity that depends on latitude is shown by the numbers printed on the right-hand border.

The mean pressures during the current month were highest in northern Utah and Nevada and southern Idaho, and lowest in eastern Newfoundland. The highest were: Salt Lake City, 30.27; Idaho Falls, 30.25; Winnemucca and Carson City, 30.24; Roseburg, 30.21. The lowest were: St. Johns, N. F., 29.61; Sydney, 29.71; Charlottetown, 29.74; Chatham, 29.76; Yarmouth, 29.78; Eastport, 29.79.

As compared with the normal for February, the mean pressure Superior. Precipitation in twenty-four hor

was in excess throughout the Rocky Mountain and Pacific at Shreveport, and 2.60 at Vicksburg, was measured a.m. Coast regions, but deficient throughout the interior and the of 2d. Atlantic States. The greatest excesses were: Fort Canby, 0.23; Eureka, 0.13; Portland, Oreg., and Roseburg, 0.10. The gave rise to Storm Bulletin No. 1 of 1896. It was first noted greatest deficits were: St. Johns, N. F., 0.31; Yarmouth, 0.26; in the west Gulf, a. m. of 4th, with a pressure of 29.70 at Cor-Sydney, 0.24; Nantucket, 0.23; New Haven, Chatham, New York, Kingston, Oswego, and Harrisburg, 0.22.

of Washington, Oregon, and northern California, but an The month was characterized by an excess of pressure over unusual fall throughout Quebec and Ontario, the Middle and Eastern States. The greatest rises were: Roseburg, 0.28; Fort Canby, 0.27; Tatoosh Island, 0.26; Eureka, 0.25; Portland, Oreg., 0.24; Port Angeles, 0.23. The greatest falls were: Father Point, 0.37; Montreal and Quebec, 0.36; Chatham, 0.34; Portland, Me., and Northfield, 0.33; Eastport, Boston, Albany, and Kingston, 0.32.

> AREAS OF HIGH AND LOW PRESSURE. By Prof. H. A. HAZEN.

During the month fourteen low and seven high areas have tinued from the 17th to the end of the month. The following brief description will supplement the information given by the table and charts:

LOW AREAS.

1.-Was first noted at the west end of Lake Superior on the last day of January; its motion was nearly due east, and it

II.—First noted in the west Gulf a. m. of 1st; its motion was northerly, and it was last observed, a. m. of 6th, over Lake Superior. Precipitation in twenty-four hours of 2.86 inches

III.—This was the most notable storm of the month and pus Christi. Its intensity rapidly increased, and on the evening of 6th it was central over New York, with a pressure As compared with the preceding month of January, the of 28.70 at New York City and a wind velocity of 70 miles pressures reduced to sea level show a decided rise on the coasts per hour. It was last seen in the Gulf of St. Lawrence p. m.